

I claim:

Sub A' 1. A method for recycling used and manufacturing scrap asphalt shingle material comprising the steps of:

- 5           a. providing a fine aggregate-asphalt mixture;
- b. grinding the aggregate-asphalt mixture;
- c. extruding the ground mixture;
- d. providing a mold of a desired shape;
- e. loading the <sup>NAB</sup> molding with extruded mixture; and
- 10           f. compressing the mixture in the mold to create a shaped product.

2. The method of claim 1 further comprising the step of introducing granular surface treatment in said mold prior to

15 said compressing step.

3. The method of claim 1 further comprising the step of introducing a plastic liner in said mold prior to loading

20 step.

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A method for recycling used/asphalt shingle material comprising the steps of:

- a. providing a fine aggregate-asphalt mixture;
- b. grinding the aggregate-asphalt mixture;
- 5 c. extruding the mixture to approximate cross-section of a desired shaped part; and
- d. die-cutting a shaped part from extruded mixture.

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A method for recycling used/asphalt shingle material comprising the steps of:

- a. providing a fine aggregate-asphalt mixture;
- b. grinding the aggregate-asphalt mixture;
- c. extruding the mixture;
- d. forming a desired shaped part;
- 15 e. softening an exposed surface of said part; and
- f. embedding a surface treatment material to said softened surface.

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The method of claim 6 further comprising the step of  
20 raising the temperature of said surface to approximately 275 degrees F prior to said embedding step.

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8. The method of claim <sup>6</sup>7 in which said raising step includes one of (i) providing a surface heating element and passing said surface proximate thereto, and (ii) immersing said surface into an environment having an elevated temperature.

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The method of claim ~~6~~ in which said surface treatment material includes one of (i) a surface texture material, and  
10 (ii) a coloring material.

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10. The method of claim 6 in which said embedding step includes one of the steps of:

a. passing said softened surface under compression rolls to embed surface textured material; and

b. heating said surface treatment material and spraying said heated material onto the softened surface with heated compressed air.

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11. Apparatus for recycling used/asphalt shingle material comprising:

a material staging station having an inlet to receive shingle material and having an outlet;

5 a grinder having an inlet to receive shingle material from the staging station and having an outlet;

an extruder having an inlet to receive ground material from the grinder and adapted to provide extruded ground material therefrom; and

10 one of a die cutting station and a molding station associated with said extruder for receiving the extruded material and adapted to produce shaped product therefrom.

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